THE JOHNS HOPKINS UNIVERSITY
BALTIMORE

CONFERRING OF DEGREES

AT THE CLOSE OF THE SIXTY-THIRD ACADEMIC YEAR

JUNE 6, 1939

IN THE LYRIC THEATRE

AT 11 A. M.

MARSHALS

Chief Marshal

Professor W. O. Weyforth

Aids

Professor G. H. Evans, Jr.
Dr. R. T. Abercrombie
Dr. H. E. Cooper
Mr. M. W. Pullen
Dr. P. Morphopoulos
Dr. W. Halsey Barker
Dr. G. F. Otto
Professor S. Painter

USHERS

Chief Usher

Frank Adams Baker, Jr.

Aids

Robert Guthrie Fleagle
Harper C. Gisriel
Wilson Ridgely Haines
Jefferson Merritt Hamilton
Alan D. Hecht
Charles Madison Llewellyn
Benjamin Franklin Lucas, Jr.
Francis Dominic Murnaghan, Jr.
Melchijah Spragins

MUSIC

The program is under the direction of Philip S. Morgan of the Johns Hopkins Musical Association and is presented by the Johns Hopkins Orchestra, Bart Wirtz, conducting. The orchestra was founded and endowed in 1919 by Edwin L. Turnbull, of the Class of 1893, for the presentation of good music in the University and the community.

ORDER OF EXERCISES

I

ACADEMIC PROCESSION

"Johns Hopkins Forever"—*Dauterich*

"Marche Militaire"—*Schubert*

II

INVOCATION

The Reverend HAROLD N. ARROWSMITH

Canon of the Pro-Cathedral

III

ADDRESS

"The Pursuit of Happiness"

President ISAIAH BOWMAN

IV

CONFERRING OF DEGREES

Bachelors of Arts, presented by Dean BERRY

Bachelors of Engineering, presented by Dean KOUWENHOVEN

Bachelors of Science in Economics, presented by Professor WEYFORTH

Bachelors of Science, presented by Professor BAMBERGER

Master of Engineering, presented by Dean KOUWENHOVEN

Doctor of Engineering, presented by Dean KOUWENHOVEN

Masters of Science in Hygiene, presented by Dean REED

Doctors of Science in Hygiene, presented by Dean REED

Masters of Public Health, presented by Dean REED

Doctors of Public Health, presented by Dean REED

Doctors of Medicine, presented by Dean CHESNEY

Masters of Arts, presented by Professor HOLLANDER

Doctors of Philosophy, presented by Professor HOLLANDER

V

CONFERRING OF COMMISSIONS IN THE OFFICERS' RESERVE CORPS

VI

"Arioso"—*Bach*

VII

PRESENTATION

Portrait of

Dr. WADE HAMPTON FROST, Professor of Epidemiology

BY

WALMSLEY LENHARD

Professor WILLIAM HENRY HOWELL

VIII

ANNOUNCEMENTS

IX

BENEDICTION

X

March from "Carmen"—*Bizet*

The audience is requested to remain standing after the benediction until the faculty has left the hall

CANDIDATES FOR DEGREES

BACHELORS OF ARTS

Chester Alan Albrecht, Jr., of Maryland
Milton Robert Alperstein, of Vermont
Robert Allen Anderson, of Ohio
Joseph Ashbrook, of Pennsylvania
John Streett Baldwin, of Maryland
John Bell Bamberger, of Maryland
Lewin Wethered Barroll, Jr., of Maryland
Douglas Norman Batson, of Maryland
Gilbert Blum, of New York
Philip Blumenson, of New York
Stanley Lorman Blumenthal, of Maryland
Malcolm Boshnack, of New York
Edward John Brambel, of Maryland
Ewan Buchanan Chambers, of California
John Wesley Chambers, of Maryland
Raymond George Cohen, of New York
Benjamin Courtright, of Maryland
Earl Vandervoort Cross, of Pennsylvania
Fred Loring Davis, Jr., of Missouri
Robert Morton Dobres, of Maryland
Thomas Benjamin Dunne, of New York
Perry Irwin Edelstein, of New York
Robert Lee Feldman, of New York
Arnold Howard Fieldsteel, of New York
Miguel Angel Firpi, of Puerto Rico
Paul N. Friedman, of Maryland
Lawrence Gardiner, of Maryland
Edward Alvin Godsey, of Maryland
Morton Sidney Goldstein, of Maryland
Harold Gordon, of New Jersey
Elihu Gottesman, of New York
William Breathitt Gray, III, of Maryland
Samuel Sidney Greenstein, of Massachusetts
Clarence Henry Gurd, of Maryland
Donald Hamilton, Jr., of Maryland
Max F. Hersey, of Illinois
Calvert Theodore Hofferbert, of Maryland
Millard Kaufman, of Maryland
Robert Kaye, of New York
James Murray Kempton, of Maryland
Herman Kieval, of Maryland
Bernard Melvin Koen, of New York
Nicholas John Kohlerman, of Maryland
Robert Sylvan Kramer, of New York
William Ebaugh Lamble, Jr., of Maryland
Arthur Lankford, Jr., of Maryland
John Stephen Levi, of Alabama
Milton Dmitri Levine, of New Jersey
John Nelson Lloyd, of Maryland
James Palmer O'Neil Lyle, of Texas
Arthur A. Maass, of Maryland
Albert Johnson Mace, of Maryland
Moses Benzyl Macht, of Maryland
Joseph C. Matchar, of Maryland
Kenneth Fuller Maxcy, Jr., of Maryland
George Robert McLean, of Maryland
James Roberts McShane, of Maryland
Norman Cecil Melvin, Jr., of Maryland
Charles Baker Metz, of Maryland
Irving Lane Milberg, of New York
George William Murgatroyd, Jr., of Maryland
Henry Musnick, of Maryland
Morton DeCorcey Nachlas, of Maryland
Harry Nierenberg, of New York
Edwin Darby Nye, of the District of Columbia
Arthur Francis O'Keeffe, of Massachusetts
Frank Abrahams Parker, Jr., of Maryland
Robert James Patton, of Illinois
Philip Alexander Perel, of Tennessee
Harry Primrose Porter, Jr., of Maryland
Robert Retzer, Jr., of Maryland
Martin Albert Robbins, of Maryland
Seymour Sacks, of Maryland
Howard Norman Scal, of New York
William Charles Schmied, of Maryland
Warren S. Seipp, Jr., of Maryland
Adolph Seligman, of Maryland
Pete Sfekas, of Maryland
Albert Benjamin Shapiro, of New Jersey
Philip Small, of New York
Henry D'Arcy Gerstell Smith, of Maryland
Andrew Allan Spier, of Maryland
Samuel Benjamin Steinberg, of Massachusetts
Howard William Stier, of New Jersey
Daniel Joseph Stone, of New York
Albert Frederick Strobel, of Maryland
Herman Richard Strobel, of Maryland
Irving Julian Taylor, of Maryland
J. Earl Thomas, Jr., of Pennsylvania
William Hartzog Vickers, Jr., of Maryland

George R. J. Weigand, of New Jersey
Morris Arthur Wessel, of Connecticut
Charles Willen, of New York
Walter Eugene Wilson, of Kansas

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GRADUATING WITH HONOR

John Streett Baldwin
Robert Kaye
Herman Kieval
Arthur A. Maass
Henry D'Arcy Gerstell Smith
Albert Frederick Strobel

BACHELORS OF ENGINEERING

William Henry Ahl, Jr., of Maryland
William Henry Beck, Jr., of Maryland
Robert George Bill, of Maryland
Frank Elmer Boyd, of Maryland
Edwin Walter Carl, of Maryland
Frank Aloysious Christoffel, Jr., of Maryland
Herman Joseph Chyba, of Maryland
William Mitchell Day, of Maryland
John McCormick Edwards, of Maryland
Frederick John Euler, Jr., of Maryland
William Frank Giles, Jr., of Maryland
Irvin Henry Ferdinand Hahn, of Maryland
Edwin Willard Harn, of Maryland
Carl Frederick Hettinger, of Maryland
William Upshur Hooper, of Maryland
William Thomas Horn, Jr., of Maryland
William Howard Jarman, of Pennsylvania
Lloyd Wesley Justice, of Maryland
Robert Elwood Kimball, of Maryland
Irvin I. Klein, of Maryland
Irvin Rubin Kolman, of Maryland
Eugene Beryle Laskin, of Maryland
Harry Mitchell Lawson, of Maryland
Harry Joseph Lebherz, Jr., of Maryland
John Raymond Lill, of Pennsylvania
William Berkeley Mann, of Maryland
James Leo Martin, of Maryland
Thomas Elmer Meyers, of Maryland
John Wall Miller, of Maryland
Daniel Anthony Joseph Misiora, of Maryland
Charles Joseph Moxley, of Maryland
Frank Adams Muller, of Maryland
Robert Carlyle Odell, of Maryland
John Francis O'Rourke, of Maryland
Robert Foust Peck, of Maryland
Carlton Maxwell Peeples, of Maryland
George Bradford Reeves, of Maryland
Bernard Arthur Reymann, of Maryland
Harold Andrew Ricards, Jr., of Maryland
Harry Carlton Robertson, Jr., of Maryland
Theodore MacNeeve Schad, of Maryland
William George Schmick, of Maryland
Robert Annis Scott, of Maryland
Berkeley Iglehart Sellman, of Maryland
Maury Pershing Sheldon, of Maryland
William Siskind, of Maryland
John Irvin Snodgrass, of Maryland
Samuel Hamilton Spragins, Jr., of Maryland
Joseph Wenceslaus Vonasek, Jr., of Maryland
Charles Leslie Westendorf, of Maryland
John Matthias Wetzler, of Maryland

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BACHELORS OF SCIENCE IN ECONOMICS

Leroy Stanley Applefeld, of Maryland
William Bayard Breeden, of Maryland
Albert David Hecht, of New Jersey
John Cannan Hecker, of Maryland
Howard Gustave Hemming, of Connecticut
Godfrey Junior Herder, of Maryland
C. Leonard Krakauer, of New York
Carl Edward Lindenmayer, of Maryland
William Francis Mehling, of Maryland
Thomas Edgar Reese, Jr., of Maryland
Samuel Nathan Rosner, of Maryland
Herschel Lewis Seder, of Massachusetts
James Stephen Sfekas, of Maryland
John Samuel Waters, of Maryland

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BACHELORS OF SCIENCE

Alice Louise Wiley Allen, of Maryland
Catherine Elizabeth Armstrong, of Maryland
Shirley Barron, of Maryland
Eva M. Boring, of Maryland
George Leo Brehm, of Maryland
Samuel Tinsley Chambers, of Maryland
Frances Jackman Civis, of Maryland
Isadore Allen Danenberg, of Maryland
Audrey Ruth Deppenbrock, of Maryland
Margaret Elizabeth Finout, of New York
Ernest William Fischer, of Maryland
John Conrad Fritz, of Maryland
Florence Bone Gardner, of Maryland
Grace Sindall Gillen, of Maryland
Hilda Mary Girardin, of Maryland
Amelia Rebecca Kolk Haile, of Maryland
Cheston Arthur Hall, of Maryland
Ray Earl Harter, of Maryland
John Francis Hennessy, of Maryland
Frank Miller Herring, of Maryland
Louis William Hilbert, Jr., of Maryland
Elsie Mabel Horst, of Maryland
Felix A. Inslerman, of Maryland
Wolfe Joffe, of Maryland
L. Diane Baum Johnson, of North Carolina
Arlington Neal Judefind, of Maryland
Reuben Ralph Katz, of Maryland
Carl Philip Kaufman, of Maryland
Sister Mary Regina Kavanaugh, of the District of Columbia
Lewis MacWilliams Kirby, of Maryland
Emma Catherine Klingelhofer, of Maryland
Mae Kramer, of Maryland
Gladys Bambach Krause, of Maryland
Benjamin G. Kremen, of Maryland
Horace Lehneis, of Maryland
Margaret DuHammel McLain, of Maryland
Katherine Merritt, of Maryland
Sara Belle Merritt, of Maryland
Bertram C. H. Meyers, of Maryland
Helen Aileen Mixter, of Maryland
Ida May Gibbons Monk, of Maryland
Samuel Tilghman Morris, of Maryland
Lawrence Murray, of Maryland
Naomi Price, of Maryland
Rosamond Pauline Rieser, of Massachusetts
Helen Roseman, of Maryland
Sidney Rosen, of Maryland
Richard Frank Ruzicka, of Maryland
Milton Seidman, of Maryland
Evelyn Sellors, of Maryland
Franklin Cheston Shelley, of Maryland
Aaron Smelkinson, of Maryland
Lillie Merle Smuck, of Maryland
Myrtle Agnes Stansbury, of Maryland
George Stolberg, of Maryland
Rose Louise Swindell, of Maryland
Isabel Tallarico, of Maryland
Milton H. Tittlebaum, of Maryland
Robert Joseph Trautman, of Maryland
Ben Warriner, IV, of Virginia
William Lloyd Williams, of Maryland
W. Nelson Winter, of Maryland
William Webb Woolston, Jr., of Maryland
Sarah Elizabeth Yoder, of Maryland
Polly Wright Young, of Maryland

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GRADUATING WITH HONOR

John Conrad Fritz
Florence Bone Gardner
Carl Philip Kaufman
William Webb Woolston, Jr.

MASTER OF ENGINEERING

WITH TITLE OF ESSAY

George De Socio, of Maryland, B.S. Washington College 1935. Electrical Engineering.
Electronic voltage regulators.

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DOCTOR OF ENGINEERING

WITH TITLE OF DISSERTATION

Charles V. Larrick, of Pennsylvania, B.S. in Chem. Johns Hopkins University 1935. Electrical Engineering.

Ultra high frequency propagation in a metropolitan area.

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MASTERS OF SCIENCE IN HYGIENE

WITH TITLES OF THESES

Nancy Louise Brayton, of Connecticut, A.B. Vassar College 1937. Bacteriology.

A study of the factors influencing the preservation of spirochetes in the frozen state.

Phyllis Hyman Koteen, of Maryland, A.B. Goucher College 1937. Filterable Viruses.

Immunity to virus diseases as seen from the study of virus 111 in tissue culture.

Helen Jane Nicholls, of Canada, S.B. University of Manitoba 1936. Biochemistry.

A nutritional approach to experimental dermatology.

Alice Thomas, of North Carolina, A.B. Woman's College of the University of North Carolina 1935. Medical Entomology.

Studies on the infection of *plasmodium cathemerium* in canaries and *culex pipiens*.

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DOCTORS OF SCIENCE IN HYGIENE

WITH TITLES OF DISSERTATIONS

Paul Maximillian Densen, of New York, A.B. Brooklyn College 1934. Biostatistics.

The accuracy of statements of age on census records.

Wolffe Harry Feinstone, of New York, S.B. University of Arkansas 1936. Bacteriology.

Studies concerning the toxicity, absorption and comparative chemotherapeutic activities of sulfanilamide and a series of compounds derived from p, p′-diamino diphenyl sulfone in mice experimentally infected with beta hemolytic streptococci and pneumococci.

Sidney Goren, of Maryland, A.B. Johns Hopkins University 1936. Biochemistry.

Electrometric titration of amino acids in 95% acetone.

Morton Kramer, of Maryland, A.B. Johns Hopkins University 1934. Biostatistics.

Frequency surfaces in two variables each of which is uniformly distributed.

Helen Stewart Lyford, of Ohio, A.B. Mount Union College 1933. Protozoology.

The reactions of a pathogenic flagellate, *trichomonas foetus*, to environmental changes in bacteria-free cultures.

Julia Buzz Mackenzie, of Colorado, A.B. Colorado College 1932. Biochemistry.

The potentiometric titration and separation of natural organic bases.

Charlotte McLeod, of Florida, S.B. University of Miami 1936. Bacteriology.

The mode of action of mucin in promoting meningococcus infection in mice.

Byron Aubrey Schneider, of Maryland, A.B. Western Maryland College 1936. Biology.

The influence of thyroid feeding on metamorphosis and growth of the flour beetle, *tribolium confusum* Duval.

Charles Jordan Shapiro, of Maryland, S.B. Dickinson College 1936. Filterable Viruses.

The effect of toxic carbohydrate complex from bacteria on transplantable rat tumors in tissue culture.

Dorothea Elisabeth Stater, of New Jersey, A.B. Wellesley College 1935. Biochemistry.

The relation of the essential fatty acids to lipid excretion.

Mary Lee Wood, of Massachusetts, A.B. Vassar College 1931. Bacteriology.

Studies on bacillus pertussis: 1. The relationship of *B. pertussis to B. bronchisepticus* and *B. parapertussis*. 2. A filterable toxic substance in *B. pertussis* broth cultures.

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MASTERS OF PUBLIC HEALTH

Richard Martin Adams, of Oklahoma, M.D. University of Arkansas 1934.

Benjamin Randolph Allen, of Virginia, S.B. University of Richmond 1932; M.D. Medical College of Virginia 1935.

George Miller Brother, of Indiana, A.B. Indiana University 1931; M.D. 1934.

Monroe Franklin Brown, of Tennessee, Phar. D. University of Alabama 1916; M.D. University of Tennessee 1925.

Edward Branislaus Bukowski, of New York, S.B. University of Buffalo 1923; M.D. 1923.

W D Burkhalter, of Alabama, A.B. Vanderbilt University 1931; M.D. 1934.

Jose Bustos-Castellanos, of Mexico, M.D. National University of Mexico 1928.

LeGrand Bremner Byington, of Iowa, S.B. University of Iowa 1916; M.D. 1919.

Marie Makowská Čakrtová, of Bohemia, M.D. Masaryk University 1932.

George Robert Carpenter, of Virginia, S.B. Lynchburg College 1926; M.D. University of Virginia 1934.

Paul Jones Chambers, of North Carolina, M.D. Jefferson Medical College 1929.

Lee Alexander Dare, of Kentucky, S.B. Indiana University 1931; M.D. 1933.

William Morgan Dedman, of Tennessee, S.B. Transylvania College 1923; M.D. Vanderbilt University 1928.

Don Wayne Dykstra, of Arkansas, S.B. State University of Iowa 1928; M.D. University of Arkansas 1936.

Albert Clayton Edwards, of Wisconsin, S.B. University of Omaha 1922; A.M. University of Nebraska 1924; M.D. 1925.

Thomas Shepherd Englar, of Maryland, A.B. Western Maryland College 1910; M.D. Johns Hopkins University 1914.

Paul Theodore Erickson, of Minnesota, S.B. University of Minnesota 1929; M.B. 1931; M.D. 1932.

Thomas Gideon Faison, of North Carolina, S.B. North Carolina State College 1928; M.D. Medical College of Virginia 1932.

John Willard Ferree, of Indiana, A.B. University of Pennsylvania 1925; M.D. Indiana University 1932.

Charles Jack Fisher, of Alabama, M.D. Tulane University 1934.

Richard Henry Fletcher, of Washington, S.B. University of Iowa 1928; M.D. 1931.

William Wallace Fuller, of Virginia, M.D. Medical College of Virginia 1936.

O. David Garvin, of South Carolina, M.D. Medical College of South Carolina 1932.

Eugene Alexander Gillis, of Montana, M.D. University of Michigan 1933.

Wilson Page Hamilton, of Virginia, S.B. West Virginia University 1934; M.D. University of Louisville 1936.

Leland Jay Hanchett, of Nebraska, S.B. University of Nebraska 1928; M.D. 1930.

Roger Eugene Heering, of Michigan, M.D. University of Michigan 1933.

Ralph Booth Hogan, of Utah, A.B. University of Utah 1931; M.D. University of Nebraska 1934.

John Bohannon Hozier, of Virginia, S.B. College of William and Mary 1929; M.D. University of Virginia 1933.

Hugo Humburský, of Slovakia, M.D. University of Bratislava 1936.

Bilâl Kâmil Idil, of Turkey, M.D. University of Istanbul 1925; M. Sc. Institute of Hygiene, Istanbul 1934.

Bascom Johnson, Jr., of New York, P.H.B. Yale University 1928; M.D. 1935.

Ransom Julaney Jones, of Mississippi, S.B. Millsaps College 1928; M.D. Emory University 1932.

Roscoe Conkling Kash, of Tennessee, A.B. University of Kentucky 1925; M.D. Vanderbilt University 1929.

Ann Patrick Kent, of the District of Columbia, A.B. George Washington University 1930; M.D. University of Maryland 1933.

Shoichi Kimura, of Japan, M.D. Hokkaido Imperial University 1926; Dr. M. Sc. 1931.

John William Knutson, of Minnesota, D.D.S. University of Minnesota 1931.

Warren Williams Lacey, Jr., of New York, A.B. Columbia College 1932; M.D. Long Island College of Medicine 1935.

Frederick Robert Lang, of Pennsylvania, S.B. University of Pennsylvania 1927; M.D. 1931.

Erkki Leppo, of Finland, L.M. University of Helsinki 1936.

Hung-chiung Li, of China, S.B. Soochow University 1931; M.D. Peiping Union Medical College 1933.

Felipe Malo-Juvera, of Mexico, M.D. National University of Mexico 1930.

Manuel B. Márquez-Escobedo, of Mexico, S.B. National University of Mexico 1917; M.D. Military Medical School 1923.

Daniel Patrick McMahon, of New York, M.D. University of Buffalo 1930.

Edward Xavier Mikol, of New York, M.D. University of Buffalo 1928.

Robert Henry Onstott, of Colorado, A.B. University of Denver 1927; M.D. University of Colorado 1930.

Rufus Floyd Payne, of Georgia, M.D. University of Georgia 1933.

Henry Lincoln Peckham, Jr., of the District of Columbia, A.B. George Washington University 1931; M.D. 1934.

Lester Marshall Petrie, of Georgia, S.B. Westminster College 1924; M.D. George Washington University 1928.

Arthur Berdell Price, of Illinois, S.B. University of Wisconsin 1928; M.B. Northwestern University 1932; M.D. 1933.

Ruth Johanna Raattama, of Illinois, A.B. Carlton College 1928; M.B. Northwestern University 1932; M.D. 1933.

Edward Saunders Rogers, of New York, A.B. Colgate University 1927; M.D. Harvard University 1930.

Evelyn Frances Hislop Rogers, of New York, A.B. Dalhousie University 1924; M.D.C.M. 1927.

Leon Summerlin Saler, of Indiana, S.B. University of Cincinnati 1935; M.B. 1935; M.D. 1936.

Harry Albert Sauberli, of Tennessee, S.B. Ottawa University 1928; M.D. Vanderbilt University 1932.

Frank Kash Sewell, of Kentucky, A.B. University of Kentucky 1929; M.D. Vanderbilt University 1933.

Morris Siegel, of New York, A.B. College of the City of New York 1924; M.D. New York University 1928.

Wilfred Nixon Sisk, of North Carolina, A.B. University of North Carolina 1931; A.M. University of Wisconsin 1933; M.D. 1935.

Clarence Albert Smith, of Colorado, M.D. University of Colorado 1935.

Takemune Soda, of Japan, M.D. Tokyo Imperial University 1926; Dr.M.Sc. 1937.

Wilson Thomas Sowder, of Virginia, M.D. University of Virginia 1932.

Samuel Frederick Strain, of Tennessee, S.B. University of Tennessee 1919; M.D. 1922.

Van Collier Tipton, of Texas, A.B. Southwestern University 1926; M.D. University of Texas 1926.

Waldo Louis Treuting, of Louisiana, S.B. Tulane University 1930; M.D. 1934.

Dillard Davis Turner, of Kentucky, A.B. Berea College 1929; M.D. University of Louisville 1934.

Robert Briggs Watson, of Alabama, S.B. University of Tennessee 1924; M.D. 1930.

Francis John Weber, of Pennsylvania, A.B. University of Pennsylvania 1932; M.D. 1936.

John Joseph Wright, of Tennessee, A.B. Vanderbilt University 1931; M.D. 1935.

Charas Yamarat, of Siam, M.B. Chulalongkorn University 1934.

Hiroto Yoshioka, of Japan, M.D. Tokyo Imperial University 1929.

Jonathan Zoole, of Pennsylvania, S.B. Temple University 1929; M.D. 1933.

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DOCTORS OF PUBLIC HEALTH

WITH TITLES OF THESES

Erb na Bângxâng, of Siam, M.B. Chulalongkorn University 1934; C.P.H. Johns Hopkins University 1938. Bacteriology.

An investigation of preserving solutions for the recovery of dysentery bacilli from fecal specimens.

Leonard Adolph Dewey, of Washington, S.B. University of Nebraska 1928; M.D. 1928; C.P.H. Johns Hopkins University 1935. Epidemiology.

A study of the prevalence of syphilis among the employees of a large institution.

Ragnar Theophile Westman, of Minnesota, S.B. Hamline University 1927; M.B. University of Minnesota 1930; M.D. 1931; C.P.H. Johns Hopkins University 1936. Public Health Administration.

Tuberculosis control in Baltimore.

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DOCTORS OF MEDICINE

Robert Calvin Abrams, of Maryland, A.B. Johns Hopkins University 1935.

Vittorio G. Arcadi, of California, S.B. University of Notre Dame 1935.

John Spencer Atwater, of Indiana, A.B. Denison University 1935.

Frederik Barry Bang, of Maryland, A.B. Johns Hopkins University 1935.

Frank Rudolph Barta, of Nebraska, A.B. Creighton University 1935.

Helen Elizabeth Benedict, of Pennsylvania, A.B. Goucher College 1934.

Leonard Eliot Blumenthal, of Maryland, A.B. Johns Hopkins University 1935.

William Morton Bogart, Jr., of North Carolina, S.B. Davidson College 1935.

Katherine Helen Borkovich, of Pennsylvania, S.B. Geneva College 1935.

Hobart Lawrence Boyd, of Illinois, S.B. University of Illinois 1935.

Halla Brown, of New York, A.B. Bryn Mawr College 1934.

Lucile Jane Caldwell, of Georgia, A.B. Agnes Scott College 1925; M.S. Emory University 1929; Ph.D. Johns Hopkins University 1932.

Nicolas Cámara-Peón, of Mexico, A.B. Johns Hopkins University 1935.

Beach Mead Chenoweth, of Alabama, A.B. University of Alabama 1935.

Aaron Arthur Cohen, of New Jersey, A.B. Harvard College 1935.

Howard Franklin Conn, of Pennsylvania, S. B. West Virginia University 1934.

John Ross Cranor, Jr., of New York, S.B. University of Chicago 1935.

Clarence Daniel Davis, of New York, S.B. Massachusetts Institute of Technology 1935.

John Burling De Hoff, of Maryland, A.B. Johns Hopkins University 1935.

Michael DiMaio, of Rhode Island, S.B. Rhode Island State College 1935.

Brown McIlvaine Dobyns, of Illinois, A.B. Illinois College 1935.

Arthur Edward Engelder, of Arizona, S.B. California Institute of Technology 1935.

Douglass Durston Fear, of New Jersey, A.B. Hamilton College 1935.

Gerald Andrew Galvin, of Maryland, A.B. Loyola College 1934.

Morton Mordecai Garfield, of Virginia, S.B. University of Virginia 1935.

James Rowland Gay, of Virginia, S.B. Virginia Polytechnic Institute 1935.

Alvin Irving Goldfarb, of New York, A.B. Brown University 1935.

William Edwin Grose, of California, A.B. DePauw University 1935.

Henry Lippincott Haines, of New Jersey, A.B. Washington and Lee University 1934.

William Ludwig Hartmann, of Washington, S.B. Harvard College 1935.

Adam Mader Hauer, of Pennsylvania, A.B. Johns Hopkins University 1935.

Edgar Schubert Highberger, of Pennsylvania, S.B. Franklin and Marshall College 1932.

George Hall Hogeboom, of Missouri, A.B. Washington University 1935.

Sarah Paige Hooker, of Massachusetts, A. B. Vassar College 1935.

John William Scott Hunt, of Kentucky, A.B. University of Kentucky 1935.

Margaret Irene Hyde, of Maryland, A.B. Goucher College 1935.

Richard Jessup, of New York, A.B. State University of Iowa 1935.

Richard Edward Johnson, of Pennsylvania, A.B. Lafayette College 1935.

Paul Joseph Kaminski, of Illinois, A.B. University of Illinois 1935.

Arthur Barfort King, of New York, A.B. Johns Hopkins University 1935.

Eugenia Elizabeth Kirk, of Alabama, A.B. University of Alabama 1929; S.B. 1930; A.M. Columbia University 1931.

Herbert Koteen, of New Jersey, A.B. University of Wisconsin 1935.

John Henry Miller Madden, of South Carolina, S.B. Clemson Agricultural and Mechanical College 1935.

Juan de Dios Martinez-Galindo, of Peru, A.B. National University of Buenos Aires 1931.

William Barriss McAllister, Jr., of Ohio, A.B. Yale College 1935.

John Miglionico, of Alabama, S.B. Howard College 1934.

Edgar Gilpin Miller, of Pennsylvania, A.B. Lehigh University 1935.

Charles Balcom Moore, of Oregon, A.B. Oregon State College 1935.

Henry Mason Morfit, of Maryland, A.B. Johns Hopkins University 1935.

Bennett Whitlock Muir, of Maryland, A.B. Johns Hopkins University 1935.

Charles William Ordman, of New York, A.B. Yale College 1935.

William Ferguson Pearce, of Maryland, A.B. Johns Hopkins University 1935.

Orlando Pellicoia, Jr., of Connecticut, A.B. Yale College 1935.

Charles Bagley Porter, of Maryland, A.B. Johns Hopkins University 1935.

Emerald Melton Ralston, of Nebraska, A.B. Nebraska Wesleyan University 1929; M.S. Northwestern University 1932, Ph.D. 1937.

Lelland Joseph Rather, of New York, A.B. Johns Hopkins University 1934; M.S. University of Chicago 1936.

Russell Burton Roth, of Pennsylvania, A.B. Yale College 1935.

Roy Otto Scholz, of Ohio, S.B. University of Notre Dame 1935.

Arnold Gustav Schwyzer, of Minnesota, A.B. Harvard College 1933.

Harold Shulman, of New York, A.B. Johns Hopkins University 1935.

Horace Webster Smith, of Maine, A.B. Harvard College 1934.

Margaret Hamilton Donald Smith, of Switzerland, B. ès lett. Gymnase Lausanne 1933.

Harold Speert, of Maryland, A.B. Johns Hopkins University 1935.

George Henry Strong, of Maryland, A.B. Johns Hopkins University 1934.

Frank William Sutterlin, of Florida, S.B. University of Florida 1935.

Susan Elizabeth Torrance, of Connecticut, A.B. Bryn Mawr College 1933.

John Buffington Tredway, of Pennsylvania, A.B. Williams College 1935.

Ella Messinger Uhler, of Pennsylvania, A.B. Wellesley College 1935.

Arthur Thomas Ward, Jr., of Maryland, A.B. Johns Hopkins University 1933.

Dalton Middlekauff Welty, of Maryland, A.B. St. John's College 1935.

Abner Willen, of New York, A.B. Johns Hopkins University 1935.

Martin Herman Wittenborg, of Tennessee, A.B. Harvard College 1935.

Meyer Zeiler, of California, A.B. Stanford University 1935.

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MASTERS OF ARTS

WITH TITLES OF ESSAYS

John Richard Craft, of France. Archaeology.

The city drainage at Olynthus.

Benjamin Goldberg, of Maryland. Botany.

A morphological study of the aroid, *Peltandra virginica.*

Ronald Brain Levy, of Maryland. Chemistry.

The lattice energies of cuprous halides.

Calvin Darlington Linton, of the District of Columbia, A.B. George Washington University 1935. English.

Shakespeare on the London stage from Irving to Gielgud.

Genevieve Miller, of Pennsylvania, A.B. Goucher College 1935. History of Medicine.

Albrecht von Haller's controversy with Robert Whytt.

David Hirsh Panitz, of Maryland. Oriental Seminary.

Studies in the Responsa of Joseph Colon.

I. The controversy between Joseph Colon and Moses Capsali.

Benjamin Pernikoff, of Maryland. Oriental Seminary.

Egypt and Asia during the XX Dynasty.

Esther Mirick Smith, of the District of Columbia, A.B. American University 1936. Chemistry.

The use of the goniometer in the identification of certain crystalline organic compounds.

John Philip Umbach, of the District of Columbia. German.

Sudermanns Stellung zur Gesellschaft.

Marjorie Woodberry, of Massachusetts, A.B. Smith College 1937. Geology.

Habitats of trilobites.

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DOCTORS OF PHILOSOPHY

WITH TITLES OF DISSERTATIONS

John Aleck Alexander, of Georgia, A.B. Emory University 1934, M.A. 1935. Archaeology.

Potidaea.

Ray Starr Alleman, of Maryland, A.B. Brigham Young University 1933; A.M. 1934. Physics.

Dissipative reflection coefficients in ultrasonic interferometry for gases.

Courtland D. Baker, of West Virginia, A.B. George Washington University 1924; M.A. Columbia University 1934. English.

The continuity of the literary tradition of the inspired poet.

Ralph Hillis Baker, of New York, A.B. New York State College for Teachers 1933, M.A. 1935. Political Science.

The national bituminous coal commission.

Carol Klee Bang, of Maryland, M.A. Johns Hopkins University 1937. German.

Maske und Gesicht in den Werken Conrad Ferdinand Meyers.

Raymond Orvil Berry, of Texas, B.S. North Texas State Teachers College 1928; M.S. Agricultural and Mechanical College of Texas 1932. Zoology.

Chromosome behavior in the germ cells and development of the gonads in *Sciara ocellaris.*

Edgar Bowles, of Alabama. Geology.

The family Turritellidae in the eocene of the Atlantic and Gulf coastal plain of North America.

Richard Charles Boys, of Michigan, A.B. Harvard College 1935. English.

English poetical miscellanies, 1700-25.

Karl J. Brunings, of Maryland. Chemistry.

Studies on the oxidation of dipyrryl-methanes and on the synthesis of N-methylated dipyrryl-methenes.

Cornelius K. Cain, of Kentucky, B.S. Indus. Chem. University of Kentucky; M.A. Massachusetts State College 1936. Chemistry.

The free diphenylnitrogen radical: energies of activation for the dissociation of tetraphenylhydrazine and triphenylmethyldiphenylamine.

Sister Loyola Maria Coffey, S.S.J., A.B. Mt. St. Joseph College 1932; M.A. Catholic University 1933. Romance Languages.

Adrien Jourdan's *Susanna* (1653). A critical edition of the Latin text with a study of the play and its influence on Brueys's *Gabinie* (1699).

John Ernest Alexander Crake, of Canada, A.B. University of Toronto 1933; A.B. Oxford University 1935. Latin.

Archival material in Livy 218-167 B. C.

Alvin Emerson Creore, of New York, A.B. University of Rochester 1935; M.A. 1936. Romance Languages.

The language of Du Bartas.

Charlotte Isabel Damerel, of Maryland, A.B. Goucher College 1924; M.S. University of Michigan 1928. Chemistry.

A study of a new type of polypeptide.

Bolton Davidheiser, of New York, A.B. Swarthmore College 1934. Zoology.

Inheritance of sex in *Sciara ocellaris* (Comstock).

Richard Wolford Dodson, of Missouri, B.S. California Institute of Technology 1936. Chemistry.

Part I. A study of some exchange reactions of bromine and iodine by the method of radioactive indicators. Part II. The products of the neutron-induced fission of uranium and thorium nuclei.

George Anthony Douglas, of Maryland, A.B. University of Michigan 1926; Ph.M. University of Wisconsin 1930. Political Economy.

An economic history of Frederick County, Maryland, to 1860.

Eric Durand, of Illinois, B.S. Harvard College 1934. Physics.

Quenching and vibrational energy transfer in the fluorescence spectrum of S_2.

George Roger Edwards, of Connecticut, A.B. Bowdoin College 1935; M.A. Johns Hopkins University 1937. Archaeology.

Attic black-glazed pottery.

Benjamin Gildersleeve, of Virginia, B.S. University of Virginia 1930. Geology.

The eocene of Virginia.

John Bernard Hanley, of Maine, B.S. Bates College 1934; M.A. Harvard University 1936. Geology.

Geology of the Poland Quadrangle, Maine.

Charles Hirschfeld, of Maryland. History.

The rise of a city. Studies in the social history of Baltimore, 1870-1900.

Willard Harrison Humbert, of Delaware, A.B. Bridgewater College 1924; A.M. University of Virginia 1927. Political Science.

The pardoning power of the President of the United States.

John Oliver Hutchens, of Indiana, A.B. Butler University 1936. Zoology.

Respiration in *Chilomonas paramecium* (Ehrenberg).

Evelyn Webb Judd, of Maryland, A.B. Goucher College 1920. Education.

A five-year follow-up study of six Baltimore City high schools: a vocational analysis of the class of 1931.

Virginia Kagy, of Iowa, A.B. Drake University 1927. Psychology.

The perception of abstract relations by children.

William John Kirkpatrick, of New York, B.S. Johns Hopkins University 1935. Chemistry.

The crystallization of carbon.

Robert Henry Krieble, of Connecticut. Chemistry.

A reinvestigation of the configuration of hemin.

Stuart Burnette LeCompte, Jr., of Maryland, A.B. Johns Hopkins University 1934. Plant Physiology.

An experimental comparison of different instruments and procedures for indicating soil-moisture condition with reference to drought injury in pot-grown plants.

Burton Lichtenstein, of Florida, A.B. Emory University 1934. Romance Languages.

Patriotism in French poetry of the sixteenth century.

Clarence Arthur Littler, of Maryland, B.S. State College of Washington 1932; M.S. University of Washington 1936. Chemistry.

Potentials at metal-solution interfaces.

Glen E. Meyer, of Oregon, A.B. Albany College 1935. Chemistry.

The preparation and properties of aluminum oxide ultra-gel.

Mildred Buzek Otenasek, of Maryland, A.B. College of Notre Dame of Maryland 1936. Political Economy.

Alexander Hamilton's financial policies.

William Nelson Peach, of Maryland, A.B. Loyola College 1935. Political Economy.

The security affiliates of national banks.

Edgar Cecil Pitzer, of Maryland, B.S. Johns Hopkins University 1936. Chemistry.

The activation of catalysts by preferential adsorption from solution.

Grace Louise Rose, of Indiana, A.B. Wellesley College 1930. Greek.

Plato's interpretation of Heraclitus in the Cratylus.

Helen Madeline Mary Ross, of Canada, B.A. University of Alberta 1930; M.A. Johns Hopkins University 1932. Archaeology.

Terra-cotta figurines of Macedonia and Thrace.

Abraham Joseph Sachs, of Maryland. Oriental Seminary.

Prolegomena to a grammar of Middle Assyrian.

Robert G. Sachs, of Maryland. Physics.

Nuclear spins and magnetic moments by the alpha-particle model.

Frederic Raymond Senti, of Kansas, B.S. in Chem. Engr. Kansas State College 1935. Chemistry.

The crystal structure of acetamide.

John Northrup Shive, of New Jersey, B.S. Rutgers University 1934. Physics.

The behavior of Geiger Muller counters under conditions of high frequency modulation.

Maurice M. Shudofsky, of Maryland. English.
The plays of Charles Johnson.

Henry Clay Smith, of Maryland, A.B. St. John's College 1934. Psychology.
Age differences in color discrimination.

Jay Alfred Smith, of Florida, A.B. De Pauw University 1936; A.M. Johns Hopkins University 1938. Zoology.
The relation between temperature and growth in *Chilomonas paramecium.*

Charles D. Starr, of Iowa, A.B. Grinnell College 1935. Chemistry.
The orientation of water molecules on adsorbent surfaces.

Harry Nathaniel Stoudt, of Pennsylvania, B.S. in Educ. Temple University 1931; M.Ed. 1933. Botany.
Floral morphology and anatomy of Capparidaceae.

Sarah Frances Streeter, of Maryland, A.B. Vassar College 1934. Chemistry.
Statistical mechanical treatment of a system of constant energy.

John Oscar Tobler, of Maryland, Lic. en droit University of Geneva 1935. Political Science.
The constitutional controls of Congress over the federal judiciary.

Paul Viohl, of South Carolina, B.S. College of Charleston 1935. Chemistry.
The mechanism of the formation of 5-brom-5′-methyldipyrrylmethene-hydrobromides.

Thelma J. Yanofsky, of New York, A.B. New York University 1935; M.S. 1936. Archaeology.
Early Boetian figurines of terra-cotta.

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